



Environment
Canada

Environnement
Canada

Mercury *Product Stewardship* at Federal Facilities

*Binational Toxics Strategy
Mercury Workgroup
May 15, 2003*

*Tonya Bender
Environment Canada, Headquarters*





Environment
Canada

Environnement
Canada

Mercury-Containing Products

- **Widespread use**
- **Concerns about accidents and disposal**
- **Awareness and action varies**
- **Growing number of initiatives**
 - Alberta Environment Program
 - Ecosuperior
 - Municipal Program in Niagara





Environment
Canada

Environnement
Canada

Context for Federal Facilities

- **Sustainable Development in Government Operations Initiative (SDGO)**
 - procurement
 - waste
 - EMS
 - energy efficiency
- **CWS for lamps**
- **NPRI - 5 kg reporting threshold**
- **Waste/transport regulations**



Environment
Canada

Environnement
Canada

A Strategy is Born

- **DND (CFB Kingston) and EC, ON Region (Federal Programs Division) - mercury inventory project at the base**
- **Collaboration with EC (HQ, ON Region) and DND**





Environment
Canada

Environnement
Canada

CFB Kingston Pilot

- **Inventoried a subset of buildings at the base**
- **Included operational review**
- **Mercury found mainly in lamps, building control systems, float switches and thermometers**





Environment
Canada

Environnement
Canada

CFB Kingston Pilot

- **Lessons learned**
 - less mercury than anticipated
 - non-mercury alternatives feasible
- **Buy-in of other base personnel**
- **Stewardship activities**
 - bulb recycling
 - retro-fitting consistent with digital energy management techniques





Environment
Canada

Environnement
Canada

Mercury-Containing Product **Stewardship Manual** for Federal Facilities

- **Contents**
 - Background
 - Where mercury might be found in facilities
 - Inventory/database
 - Guidance for compliance/risk review
 - Planning stewardship program
 - Implementation





Environment
Canada

Environnement
Canada

Next Steps

- **Collaboration with SDGO, Regions, Departments**
- **Pilot manual and database**
- **Distribution**
- **Workshops**
- **Building momentum**





Environment
Canada

Environnement
Canada

Thank You!!!

Web Sites of Interest

- ♦ Environment Canada Website www.ec.gc.ca/mercury
- ♦ Alberta Fluorescent Bulb/Computer Recycling
www3.gov.ab.ca/env/waste/aow/flcr/index.html
- ♦ Ecosuperior <http://www.ecosuperior.com/thermo.html>
- ♦ Sustainable Development in Government Operations
www.greeninggovernment.gc.ca
- ♦ Canada-wide Standard for Mercury-containing Lamps
www.ccme.ca/assets/pdf/merc_lamp_standard_e.pdf
- ♦ National Pollutant Release Inventory
www.ec.gc.ca/pdb